

Listing of Claims

The following listing of claims will replace all prior claims in the application.

1. (Canceled)
2. (Previously Presented) The musical instrument according to claim 41, wherein said instrument is a guitar.
3. (Previously Presented) The guitar according to claim 2 wherein a heel is provided at a junction of the unitary neck and body.
4. (Previously Presented) The guitar according to claim 3 wherein a heel plate corresponding to a like segment of a side of a resonating body of an acoustic guitar of conventional design is affixed to the heel or is received within a slot provided within the heel.
5. (Canceled)
6. (Previously Presented) The musical instrument according to claim 40, wherein the first and second side panels correspond to segments of opposing sides of a resonating body of an acoustic instrument of conventional design.
7. (Previously Presented) The musical instrument according to claim 6, wherein the first side panel comprises an edge corresponding to a contiguous portion of a top face of the resonating body of said conventionally designed instrument.
8. (Previously Presented) The musical instrument according to claim 6, wherein the second side panel comprises an edge corresponding to a contiguous portion of a bottom face of the resonating body of said conventionally designed instrument.
9. (Canceled)
10. (Previously Presented) The musical instrument according to claim 6, wherein a bottom brace is releasably coupled between bottoms of opposing side panels.

11. (Previously Presented) A musical instrument comprising:
an elongated unitary neck and body adapted for stringed play, wherein an adaptation for stringed play includes a string tensioning system rigidly coupled to the underside of the unitary neck and body;
at least one support arm coupled to the unitary neck and body and extending to at least one side thereof; and
at least one side panel coupled to the support arm.

12. (Previously Presented) The musical instrument according to claim 11 wherein the string tensioning system is spaced apart from the unitary neck and body.

13. (Previously Presented) The musical instrument according to claim 11 wherein a string-path reverser is disposed at the proximal end of the body to guide the strings over the end of the body and to the string tensioning system.

14. (Previously Presented) The musical instrument according to claim 41, wherein adaptation for stringed play is provided by the addition of:

a string tie block for securing strings near a distal end of the unitary neck and body;
a nut, disposed proximal to the tie block, for determining the distal end of the active portions of the strings;
a slotted bridge, affixed to a top of a proximal end of the unitary neck and body;
a saddle received within a bridge slot of the slotted bridge; and
an acousto-electric transducer for conversion of string vibrations to electrical waves suitable for electronic amplification and sound reproduction.

15. (Previously Presented) The musical instrument according to claim 14 wherein the acoustic-to-electric transducer is a piezoelectric pickup received within the bridge slot under the saddle.

16. (Previously Presented) The musical instrument according to claim 15 further including a strip of compliant material disposed between the saddle and the pickup or between the pickup and the bottom of the bridge slot.

17. (Previously Presented) The musical instrument according to claim 14 wherein the slotted bridge further includes a string guide proximal to the bridge slot to constrain the strings to spaced apart paths.

18. (Previously Presented) The musical instrument according to claim 11 wherein the support arm is coupled to the unitary neck and body by a releasable attachment to a distal end of the string tensioning system.

19. (Previously Presented) The musical instrument according to claim 39, wherein a coupler by which the support arm is releasably coupled to the side panel comprises:

a block affixed to an inner surface of the side panel, said block provided with a captive nut accessible at its surface and a thumbscrew partially engaged with said nut; and

a keyhole-shaped aperture in the support arm wherein one end of the keyhole is adapted to received a head of the thumbscrew and the other to receive a threaded shank of the thumbscrew.

20. (Original) The musical instrument according to claim 13 wherein the string-path reverser comprises a plurality of pulleys or rollers on a common axle and secured within a frame.

21 and 22. (Canceled)

23. (Previously Presented) A musical instrument comprising:

an elongated unitary neck and body adapted for stringed play;

at least one support arm coupled to the unitary neck and body and extending to at least one side thereof; and

at least one side panel coupled to the at least one support arm, wherein:

a first support arm is pivotally coupled to and disposed on a first side of the unitary neck and body and is releasably coupled to a first side panel; and

a second support arm is pivotally coupled to and disposed on a second side of the unitary neck and body and is releasably coupled to a second side panel.

24. (Previously Presented) The musical instrument according to claim 23 further including:

rotational stops to establish a deployed position of each support arm; and

a tensioning bottom-closure device which, when connected between bottom sections of the first and second side panels, applies a force between the first and second side panels that is reflected to the pivoting support arms, holding the pivoting support arms against their respective rotational stops.

25 and 26. (Canceled)

27. (Currently Amended) A musical instrument according to claim ~~[[1]]~~23, wherein the support arm is pivotally coupled at a first end to the unitary neck and body and pivotally coupled at a second end to a side panel, so as to permit the side panel to be deployed for use or drawn close to the unitary neck and body for storage.

28. (Previously Presented) The musical instrument of claim 40, further comprising an acousto-electric transducer and electronic signal processing circuits for amplification of signals and for alteration of their temporal and spectral characteristics in a manner that approximates the effect of a resonant body.

29. (Previously Presented) The musical instrument according to claim 28 wherein the electronic signal processing circuits include a plurality of filters the outputs of which are summed.

30. (Previously Presented) The musical instrument according to claim 29 wherein at least one of the filters is a band-pass filter.

31-33. (Cancelled)

34. (Previously Presented) A musical instrument comprising:
an elongated unitary neck and body adapted for stringed play;
at least one support arm coupled to the unitary neck and body and extending to at least one side thereof;
at least one side panel coupled to the support arm;
an acousto-electric transducer for converting mechanical energy from vibrating strings of the musical instrument into electrical signals; and

at least one electronic signal processing circuit for processing the electrical signals to produce for a listener the sensation that sounds produced by the vibrating strings are arriving from a location of the musical instrument.

35. (Previously Presented) A musical instrument comprising:
an elongated unitary neck and body adapted for stringed play;
at least one support arm coupled to the unitary neck and body and extending to at least one side thereof;
at least one side panel coupled to the support arm; and
a device that simulates visually a sound hole.

36. (Previously Presented) The musical instrument of claim 40, further comprising compliant material for dampening string vibrations, thereby shortening ring-down time.

37. (Previously Presented) The musical instrument of claim 34, wherein at least one electronic signal processing circuit processes the electrical signals for presentation on headphones having a left speaker and a right speaker by imposing a first filtering to electrical signals delivered to the left speaker and imposing a second filtering to electrical signals delivered to the right speaker.

38. (Previously Presented) The musical instrument of claim 35, wherein graphic or textual material is applied to the device that simulates visually the sound hole.

39. (Previously Presented) A musical instrument, comprising:
an elongated unitary neck and body adapted for stringed play;
at least one support arm releasably coupled to the unitary neck and body and extending to at least one side thereof; and
at least one side panel releasably coupled to the support arm.

40. (Previously Presented) A musical instrument, comprising:
an elongated unitary neck and body adapted for stringed play;
a support arm coupled to the unitary neck and body and extending to a first side and a second side thereof;
a first side panel coupled to a first end of the support arm; and

a second side panel coupled to a second end of the support arm.

41. (Previously Presented) A musical instrument, comprising:
an elongated unitary neck and body adapted for stringed play;
a support arm releasably coupled to the unitary neck and body and extending to a first side and a second side thereof;
a first side panel releasably coupled to a first end of the support arm; and
a second side panel releasably coupled to a second end of the support arm.